

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BTS50025-1TEA	**Issued**	27. April 2022
MA#	MA005714322		
Package	PG-TO252-5-11	**Weight***	357.97 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	4.425	1.24	1.24	12362	12362
chip_2	inorganic material	silicon	7440-21-3	1.014	0.28	0.28	2832	2832
leadframe	inorganic material	phosphorus	7723-14-0	0.061	0.02		171	
	non noble metal	iron	7439-89-6	0.205	0.06		571	
	non noble metal	copper	7440-50-8	204.243	57.05	57.13	570566	571308
wire	non noble metal	aluminium	7429-90-5	2.792	0.78	0.78	7801	7801
encapsulation	inorganic material	zincoxide	1314-13-2	1.365	0.38		3813	
	miscellaneous	miscellaneous	-	6.824	1.91		19064	
	plastics	epoxy resin	-	20.473	5.72		57192	
	inorganic material	silicondioxide	60676-86-0	107.823	30.12	38.13	301211	381280
leadfinish	non noble metal	tin	7440-31-5	5.072	1.42	1.42	14170	14170
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.076	0.02	0.02	213	214
solder	non noble metal	tin	7440-31-5	0.069	0.02		193	
	noble metal	silver	7440-22-4	0.087	0.02		242	
	non noble metal	lead	7439-92-1	3.305	0.92	0.96	9232	9667
glue	plastics	Polyimide	26023-21-2	0.131	0.04	0.04	366	366
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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